## (12) UK Patent Application (19) GB (11) 2 357 825 (13) A

(43) Date of Printing by UK Office 04.07.2001

- (21) Application No 0106928.5
- (22) Date of Filing 23.09.1999
- (30) Priority Data
  - (31) 60101578 (32) 24.09.1998 (33) US
  - (31) **60101606**
- (32) 24.09.1998
- (31) **60109144** (31) **60127204**
- (32) 20.11.1998
- (01)
- (32) 31.03.1999
- (86) International Application Data PCT/US99/21779 En 23.09.1999
- (87) International Publication Data W000/20820 En 13.04.2000
- (71) Applicant(s)

Schlumberger Technology Corporation (Incorporated in USA - Texas) Geco-Prakia Division, 1325 South Dairy Ashford, Houston, Texas 77077, United States of America

(72) Inventor(s)

Nolan Lerche James Brooks Kenneth Rozek

- (51) INT CL<sup>7</sup>
  - F42B 3/00 3/10 , F42D 1/045
- (52) UK CL (Edition S ) **F3A** AC4 AC5D3 **U1S** S1248 S1748
- (56) Documents Cited by ISA

EP 0675262 A US 5731538 A US 4762067 A US 4602565 A US 4441427 A

- (58) Field of Search by ISA INT CL<sup>7</sup> E21B, F42B, F42D Online:WPI EPO-Internal
- (74) Agent and/or Address for Service

Brian D Stoole Geco-Prakla (UK) Limited, Schlumberger House, Buckingham Gate, GATWICK, West Sussex, RH6 0NZ, United Kingdom

(54) Abstract Title

## Detonators for use with explosive devices

(57) A detonator assembly (22) for use with explosive devices includes a support structure (100), an exploding foil initiator (120) mounted on the support structure (100), and a barrel (112) attached to the support structure (100) and adjacent the exploding foil initiator (120). The support structure (100) may include a flex cable. An explosive (121) is placed in the proximity of the exploding foil initiator (120).

